

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L7	1	("3071135").PN.	US-PGPU B; USPAT	OR	OFF	2006/10/12 17:41
L8	1	("3448740").PN.	US-PGPU B; USPAT	OR	OFF	2006/10/12 17:41
L9	1363	(604/272,273,274,171,6.05,6.06,44).CCLS.	US-PGPU B; USPAT	OR	OFF	2006/10/12 17:43
L10	33	l9 and @pd>"20060420"	US-PGPU B; USPAT	OR	ON	2006/10/12 17:43
S1	644	(604/272).CCLS.	US-PGPU B; USPAT	OR	OFF	2006/10/03 17:39
S2	80	(604/44).CCLS.	US-PGPU B; USPAT	OR	OFF	2005/10/20 14:53
S3	685	(604/272).CCLS.	US-PGPU B; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/21 15:37
S4	0	S3 not S1	US-PGPU B; USPAT	AND	ON	2005/10/20 14:54
S5	41	(604/272).CCLS.	EPO; JPO; DERWENT	OR	OFF	2005/10/20 14:56
S6	47	(604/273).CCLS.	US-PGPU B; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/20 14:57
S7	144	(604/274).CCLS.	US-PGPU B; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/10/20 15:04

# EAST Search History

S8	339	(604/171).CCLS.	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	OFF	2005/10/20 15:03
S9	59	(604/6.05).CCLS.	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	OFF	2005/10/20 15:05
S10	53	(604/6.06).CCLS.	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	OFF	2005/10/20 15:05
S11	27	("0648858"   "2623520"   "2697438"   "2746455"   "2830587"   "2862495"   "2989053"   "3090384"   "3119391"   "3342060").PN. OR ("3633580").URPN.	US-PGPU B; USPAT; USOCR	AND	ON	2005/10/21 15:19
S12	37	("2711733"   "3921632").PN. OR ("4490139").URPN.	US-PGPU B; USPAT; USOCR	AND	ON	2005/10/21 15:21
S13	26	("2409979"   "3064651").PN. OR ("4808170").URPN.	US-PGPU B; USPAT; USOCR	AND	ON	2005/10/21 15:22
S14	20	("2697438"   "2711733"   "2717599"   "3788119"   "4808170").PN. OR ("4889529").URPN.	US-PGPU B; USPAT; USOCR	AND	ON	2005/10/21 15:23
S15	22	("2187259"   "2697438"   "3289675"   "3308822"   "4368738"   "4561445"   "4586926"   "4689040"   "4826492"   "5290267"   "5405354"   "5484422").PN. OR ("5536259").URPN.	US-PGPU B; USPAT; USOCR	AND	ON	2005/10/21 15:24

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S16	20	("1749919"   "2751907"   "3924617"   "4368738"   "4490139"   "4565545"   "5064411"   "5484422").PN. OR ("5575780").URPN.	US-PGPU B; USPAT; USOCR	AND	ON	2005/10/21 15:25
S17	16	("2409979"   "2560162"   "3071135"   "3308822"   "5536259"   "5575780").PN. OR ("5752942").URPN.	US-PGPU B; USPAT; USOCR	AND	ON	2005/10/21 15:26
S18	19	("1749919"   "2751907"   "3308822"   "3924617"   "4368738"   "4490139"   "5484422"   "5575780"   "5788679"   "5807317"   "5810788"   "5820609").PN. OR ("5968022").URPN.	US-PGPU B; USPAT; USOCR	AND	ON	2005/10/21 15:26
S19	19	("2409979"   "2560162"   "3071135"   "3308822"   "4785868"   "4932961"   "5002564"   "5002565"   "5030228"   "5536259"   "5575780"   "5683416"   "5749897"   "5752942"   "6009933").PN. OR ("6517523").URPN.	US-PGPU B; USPAT; USOCR	AND	ON	2005/10/21 15:27
S20	0	("2004/0030302").URPN.	USPAT	AND	ON	2005/10/21 15:28
S21	0	("2004/0030303").URPN.	USPAT	AND	ON	2005/10/21 15:28
S22	19	("2409979"   "2560162"   "3071135"   "3308822"   "4785868"   "4932961"   "5002564"   "5002565"   "5030228"   "5536259"   "5575780"   "5683416"   "5749897"   "5752942"   "6009933").PN. OR ("6517523").URPN.	US-PGPU B; USPAT; USOCR	AND	ON	2005/10/21 15:29
S23	25	(off adj center or offcenter) near3 (tip or point) near3 needle	US-PGPU B; USPAT	AND	ON	2005/10/21 16:10
S24	578	needle near3 (off adj center or offcenter or skewed or eccentric)	US-PGPU B; USPAT	AND	ON	2005/10/24 08:40

## EAST Search History

S25	0	("10286707").PN.	US-PGPU B; USPAT	OR	OFF	2005/10/25 08:46
S26	1	("6702790").PN.	US-PGPU B; USPAT	OR	OFF	2005/10/25 08:46
S27	16	("2699784"   "3906932"   "4490139"   "4585446"   "4666438"   "4753641"   "5064411"   "5669890"   "5752942"   "5931794"   "5938635"   "5968022"   "6007555"   "6224618").PN. OR ("6702790").URPN.	US-PGPU B; USPAT; USOCR	AND	ON	2005/10/25 08:47
S28	16	("2699784"   "3906932"   "4490139"   "4585446"   "4666438"   "4753641"   "5064411"   "5669890"   "5752942"   "5931794"   "5938635"   "5968022"   "6007555"   "6224618").PN. OR ("6702790").URPN.	US-PGPU B; USPAT; USOCR	AND	ON	2005/10/25 11:07
S29	101	needle near5 tip near5 (off adj set or off adj center or offset or offcenter or off-set or off-center)	US-PGPU B; USPAT; USOCR	AND	ON	2005/10/25 11:12
S30	293	needle near5 (bevel or facet or angle) near3 (various or different or multiple or separate or unlike or dissimilar)	US-PGPU B; USPAT; USOCR	AND	ON	2005/10/25 11:14
S31	1	("6945964").PN.	US-PGPU B; USPAT	OR	OFF	2005/10/25 14:28
S32	0	("10509657").PN.	US-PGPU B; USPAT	OR	OFF	2005/10/26 11:26
S33	1	("6702790").PN.	US-PGPU B; USPAT	OR	OFF	2005/10/26 11:26
S34	15	("2699784"   "3906932"   "4490139"   "4585446"   "4666438"   "4753641"   "5064411"   "5669890"   "5752942"   "5931794"   "5938635"   "5968022"   "6007555"   "6224618").PN.	US-PGPU B; USPAT; USOCR	AND	ON	2005/10/26 13:29

## EAST Search History

S35	805	((604/272) or (604/273) or (604/274)).CCLS.	US-PGPU B; USPAT	OR	OFF	2005/10/26 13:29
S36	2	("6030404") or ("5098401").PN.	US-PGPU B; USPAT	OR	OFF	2006/04/15 10:06
S37	11	("4785868"   "4932961"   "5002564"   "5002565"   "5030228"   "5575780"   "5683416"   "5749897"   "5752942").PN. OR ("6009933").URPN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/04/20 19:22
S38	662	(604/272).CCLS.	US-PGPU B; USPAT	OR	OFF	2006/04/20 19:28
S39	81	(604/44).CCLS.	US-PGPU B; USPAT	OR	OFF	2006/04/20 19:28
S40	46	(604/273).CCLS.	US-PGPU B; USPAT	OR	OFF	2006/04/20 19:28
S41	145	(604/274).CCLS.	US-PGPU B; USPAT	OR	OFF	2006/04/20 19:29
S42	60	(604/6.05).CCLS.	US-PGPU B; USPAT	OR	OFF	2006/04/20 19:30
S43	53	(604/6.06).CCLS.	US-PGPU B; USPAT	OR	OFF	2006/04/20 19:30
S44	337	(604/171).CCLS.	US-PGPU B; USPAT	OR	OFF	2006/04/20 19:30
S45	1292	(604/272,273,274,171,6.05,6.06).CCLS.	US-PGPU B; USPAT	OR	OFF	2006/10/12 17:42
S46	29	S45 and @pd>"20060420"	US-PGPU B; USPAT	OR	ON	2006/10/03 17:40